

Estimated Total Investments needed to increase Juneau's "Carrying Capacity" (CC):

- > From about 0.9 million to about 1.4 million total cruise ship passengers per year
- > Assuming "autonomous driving" buses as alternative to FGS
- > Assuming cruise ship industry direct investments in Juneau infrastructure
- > Assuming cruise ship industry investments to enable related industry investments

Investment	**** Estimate ****	
	\$ Million	
	Low	High
Replace all buses with BEV or FCV buses	48	60
Electric charging or hydrogen fueling infrastructure for fleets	4	10
Replace helicopter fleets with "quiet technology" (net of used ships sales)	40	50
Equip all docks with access to shore power for all hotel loads	6	15
Miscellaneous shoreside infrastructure modifications	10	20
Consulting, design, other soft costs	2	6
TOTAL	\$110	\$161

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NOTES

80 "coaches" @ \$ 600,000 each, with autonomous driving capability

20 helicopters, used value \$ 1.1 million each; new Eurocopter HC130 T2 @ \$ 3.1 million each

Rebuild docks for parallel "trains": FGS or autonomous-driving buses